

CLAIMS

1. A method of providing content to a mobile web browsing device from any of several different web servers, comprising the steps of:
 - 5 (a) receiving at a remote computer, connected to both the device and each of those web servers over a wireless network, a log of data identifying content that has been viewed by that specific device, the log being generated and sent by the device;
 - (b) the remote computer automatically identifying any of that viewed content
10 that has been updated;
 - (c) the remote computer automatically causing any of that identified, updated content stored on any of the web servers to be sent to the device over the wireless network;
 - (d) causing that updated content to be automatically stored in device
15 memory.
2. The method of Claim 1 in which the log is generated at the device and replicated at the remote computer.
- 20 3. The method of Claim 1 in which the remote computer views multiple content from the web server and determines if the content has changed.
4. The method of Claim 1 in which the remote computer views multiple content from the web server and determines when the content has changed.
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5. The method of Claim 1 in which the remote computer is notified by the web server if the content on the server has changed.
6. The method of Claim 1 in which the remote computer directly sends updated
30 content to the device or causes the updated content to be sent to the device.
7. The method of Claim 6 in which the remote computer makes a decision whether or not to send, or cause to be sent, the updated content, by taking into account one or more of the following:

- (a) How fast the content on the web server is changing;
 - (b) How often the user views the content;
 - (c) What time of day it is;
 - (d) What day of the week it is;
 - 5 (e) What an operator of the wireless network wants to promote.
8. The method of Claim 1 in which the operator of the wireless network can set thresholds for all of the above conditions.
- 10 9. The method of Claim 7 or 8 in which these thresholds are controlled at the remote computer and so can be updated at any point by the operator if it wants to implement different caching strategies.
- 15 10. The method of Claim 1 in which the remote computer determines how long the cached data on the phone should stay cached before the data is removed and the device goes back to using a normal download from the web server.
- 20 11. The method of Claim 1 in which the remote computer sends data to the device that automatically causes the device to display a link to new content, the new content being automatically stored on the device.
12. The method of Claim 1 in which the device includes a user interface that indicates whether given content is already stored in device memory or not.
- 25 13. The method of Claim 1 in which the log also records the time that a specific item of content was viewed by the device.
14. The method of Claim 1 in which the log identifies whether content that is being viewed is updated content that had earlier been stored in device memory.
- 30 15. The method of Claim 1 in which the updated content is sent at off-peak periods or to otherwise fill bandwidth troughs.

16. A mobile web browsing device able to download and store content from a web server over a wireless network, wherein the device is programmed to:

(a) create a log of data identifying the content that is being viewed by the device;

5 (b) send that log to a remote computer, the remote computer being connected to the web server and the device over a wireless network;

(c) receive from the web server any content that has been identified by the remote computer as having been updated;

(d) automatically store that updated content in memory.

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